M&E
AQUA ALLIANCE

April 6, 2000

Via Facsimile and Certified Mail
Return Receipt Requested

Mr. Kevin Adler, Remedial Project Coordinator
U.S. Environmental Protection Agency, Region 5
Office of Superfund, Remedial & Enforcement Response Branch
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

Subject: Granville Solvents Site Removal Action Quarterly Report – First Quarter 2000

Dear Mr. Adler:

On behalf of the Granville Solvents Site PRP Group, Metcalf & Eddy of Ohio, Inc. respectfully submits the Quarterly Report for the Removal Action at the Granville Solvents Site. Copies have been sent to the following individuals:

Mr. Steve Acree, U.S. EPA
Mr. Peter Felitti, U.S. EPA
Mr. Fred Myers, Ohio EPA
Mr. Joe Hickman, Manager, Village of Granville

If you have questions regarding this submittal, please contact Michael Raimonde or me at (614) 890-5501.

Respectfully,

METCALF & EDDY OF OHIO, INC.

Michael R. Raimonde for

Gerald R. Myers
Vice President/Project Coordinator

cc: B. Pfefferle, Chairman - GSS PRP Group
M. Raimonde, M&E

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GRANVILLE SOLVENTS SITE
REMOVAL ACTION QUARTERLY REPORT
FOR JANUARY, FEBRUARY, AND MARCH 2000

APRIL 2000

Pursuant to the requirement set forth in the Administrative Order by Consent (AOC, September 7, 1994) between the U.S. EPA and the Granville Solvents Site (GSS) Potentially Responsible Parties (PRP) Group, in Section 2.5-Reporting, and the letter, dated November 14, 1996, from Ms. Diane Spencer (U.S. EPA), this report constitutes the quarterly written progress report concerning actions undertaken pursuant to the AOC.

I. PROGRESS MADE DURING REPORTING PERIOD

Source Area Groundwater Control

The groundwater pumping and treatment system operated 744 hours in January, 676 hours in February, and 744 hours in March, for a total of 2,164 (99.1 % of the total time available) during the fourth quarter of 1999. Since operation of the treatment system began in December 1994, the system has been operating over 98.2% of the available time.

During the first quarter of 2000, the treatment system processed approximately 5.4 million gallons of water in January, 8.8 million gallons of water in February and 7.6 million gallons of water in March, for a total of 21.8 million gallons of water for the first quarter of 2000. Since operation began in December 1994, the system has processed more than 627.6 million gallons of water.

In February 2000, M&E acid-washed the air-stripping treatment system. The previous acid-washing was performed in November 1999 during disassembly and inspection activities. During the first quarter of 2000, M&E collected monthly air pressure measurements in the air-stripping unit's inlet and exhaust ducts which were used to calculate airflow values. Following acid washing, airflow increased from 2043 cfm to 2,276 cfm. M&E continued to perform the scheduled monthly maintenance on the treatment system. This maintenance ensures the system is performing at maximum efficiency and decreases unscheduled downtime. This maintenance included replacing the bag filters, lubricating the transfer pump and blower motors, and maintaining the flow meters and level sensors.

In addition to the activities discussed above, M&E serviced extraction well EW-1. This well was found to have an electrical fault, which was corrected. There were several days in the third and fourth weeks of January when this well did not operate. During this period, hydraulic containment was maintained by EW-1.

Water samples were collected from the system's influent and effluent sampling ports on January 19, February 21 and March 15, 1999. The analytical results are presented in Table 1.

TABLE 1

VOCs	Influent January	Effluent January	Influent February	Effluent February	Influent March	Effluent March
1,1,1-trichloroethane	10.2 µg/l	ND	11.9 µg/l	ND	13.3 ug/l	ND
cis-1,2-dichloroethene	2.3 µg/l	ND	2.7 µg/l	ND	3.3 µg/l	ND
Tetrachloroethene	11.2 µg/l	ND	16.1 µg/l	ND	13.7 µg/l	ND
Trichloroethene	14.0 µg/l	ND	15.7 µg/l	ND	17.2 µg/l	ND
1,1-dichloroethylene	0.5 µg/l	ND	ND	ND	ND	ND
Carbon tetrachloride	ND	ND	ND	ND	ND	ND

Extraction well GSS-EW1 was operated at an average flow rate of approximately 92 gallons per minute (gpm) during the first quarter of 2000. The flow rate from GSS-EW2 averaged 75 gpm over the quarter. The total pumping rate has averaged 167 gpm for the first quarter of 2000.

The results of the sample analyses listed in Table 1 represent typical influent and effluent concentrations at the GSS, and M&E has recorded that approximately 21.8 million gallons of water were processed for the first quarter of 2000. Based on these data, total VOCs of approximately 0.09 lb/day in January, 0.13 lb/day in February, and 0.15 lb/day in March were discharged to the atmosphere during this reporting period.

Groundwater Monitoring Plan

Groundwater level measurements were collected on January 21, February 17 and March 15, 1999, as specified in the Groundwater Monitoring Plan and they are used to develop potentiometric surface maps.

Source Area Soils

In October 1999, U.S. EPA approved the Engineering Evaluation/Cost Analysis (EE/CA), which was submitted to the U.S. EPA in August 1999. The PRP Group participated in a public meeting held on January 20, 2000, at the request of U.S. EPA officials. The public comment period for the proposed plan for the soil removal action has been concluded. The U.S. EPA has issued an Action Memorandum, approving the PRP Group's proposed soils remedy. Work has begun to implement specific tasks toward the completion of a pilot test to evaluate soil remediation conditions.

Active or Completed Tasks

The following specific tasks were completed during the reporting period:

- Collected water samples on January 21, February 17, and March 15, 2000, from the treatment system influent and effluent sampling ports.
- Collected water level measurements on January 21, February 17, and March 15, 2000.
- Continued to collect airflow data on a monthly basis.

II. DELIVERABLES (CURRENT PERIOD AND NEXT PERIOD)

CURRENT PERIOD:

Deliverable	Due Date	Delivered
Quarterly Report	April 7, 2000	April 7, 2000

NEXT PERIOD:

Deliverable	Due Date
Pilot Test Plan	April 15, 2000
Quarterly Report	July 7, 2000

III. DIFFICULTIES ENCOUNTERED AND REMEDIAL ACTIONS TAKEN THIS PERIOD

Difficulties were encountered during this quarter with pumping well GSS-EW-1. The cause was determined to be an electrical fault at the wellhead. Corrective actions were taken to restore operations as soon as the problem was diagnosed.

IV. ANTICIPATED ACTIVITIES DURING NEXT REPORTING PERIOD

During the next reporting period, M&E will perform the following tasks:

- Collect potentiometric surface data on a monthly basis.
- Conduct the annual groundwater sampling event.
- Sample the treatment system influent and effluent water on a monthly basis.

- Perform scheduled maintenance of the treatment system.
- Acid-wash the air stripper.
- Submit a Pilot Test Work Plan to US EPA.
- Conduct a Pilot Test to determine the treatability of subsurface soils.